

TLCB Series

In-line wet rotor circulators for hot water circulation, fixed speed with manual adjustment, bronze pump body.

Specifications

Delivery: up to 5 m³/h
Head: up to 6 m
Power supply: single-phase 50 Hz
Maximum power: 58 W to 100 W
Maximum operating pressure: 10 bar
Temperature of pumped liquid:
-10°C to +110°C
Insulation class: H
Protection: IP44

Materials

Pump body: Bronze
Impeller: Composite material
Shaft: Ceramic
Lower sleeve: Stainless steel
Bearings: Ceramic
Elastomers: EPDM

Applications

Residential hot water systems



For a complete list of technical information, consult www.lowara.com

TLCB SERIES Hydraulic performance table

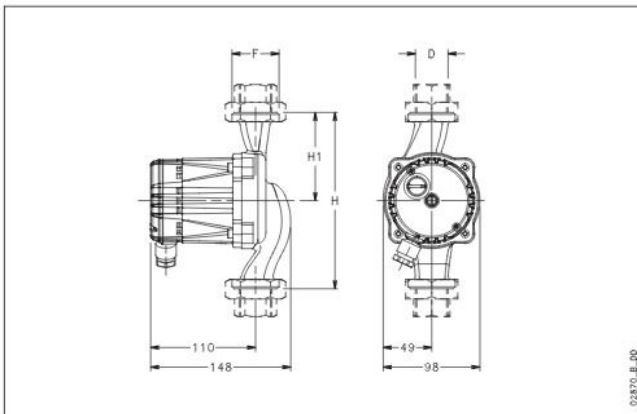
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PUMP TYPE	MAXIMUM ABSORBED POWER W	MAXIMUM ABSORBED CURRENT A	CAPACITOR		SPEED	Q = DELIVERY										
			μF	V		l/s @ m ³ /h @	0,2	0,3	0,4	0,5	0,7	0,8	1,0	1,2		
230V 50Hz						H = TOTAL HEAD METRES COLUMN OF WATER										
TLCB 15-1.5	28	0,16	2,0	400	1	1,0	0,8	0,4	0,2							
TLCB 20-1.5M	43	0,24			2	1,2	1,0	0,6	0,4							
TLCB 25-1.5	58	0,28			3	1,4	1,2	0,8	0,6	0,4						
TLCB 15-3	33	0,17	2,0	400	1	1,3	0,6	0,2								
TLCB 20-3M	48	0,25			2	2,5	1,7	1,0	0,8	0,5						
TLCB 25-3	63	0,30			3	3,0	2,7	2,2	2,0	1,7	1,1					
TLCB 15-4	40	0,19	2,0	400	1	3,0	2,6	2,1	1,9	1,6	1,0					
TLCB 20-4M	59	0,28			2	3,5	3,3	2,9	2,7	2,4	1,8	1,3				
TLCB 25-4 (L)	70	0,33			3	4,0	3,8	3,5	3,3	3,0	2,5	2,0	1,3			
TLCB 15-6	56	0,27	3,0	400	1	3,1	1,9	1,2	0,9	0,6						
TLCB 20-6M	83	0,37			2	4,7	3,6	2,7	2,3	1,9	1,2	0,7				
TLCB 25-6L	100	0,44			3	5,6	5,0	4,4	4,0	3,7	3,1	2,4	1,8	1,2		

Performances according to standards EN 1151-1

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TLCB SERIES Dimensions and weights



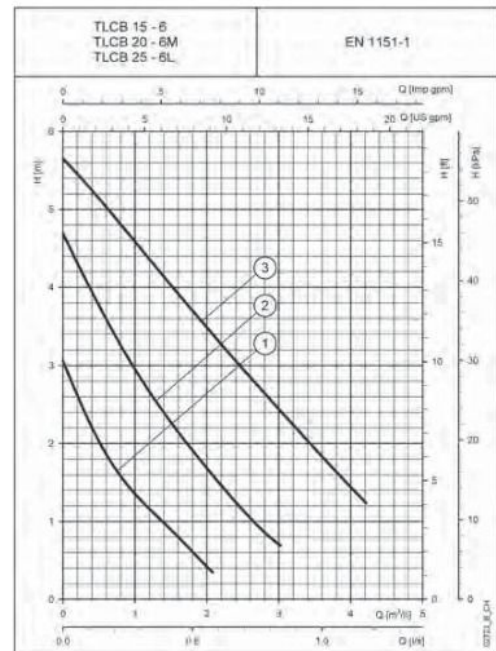
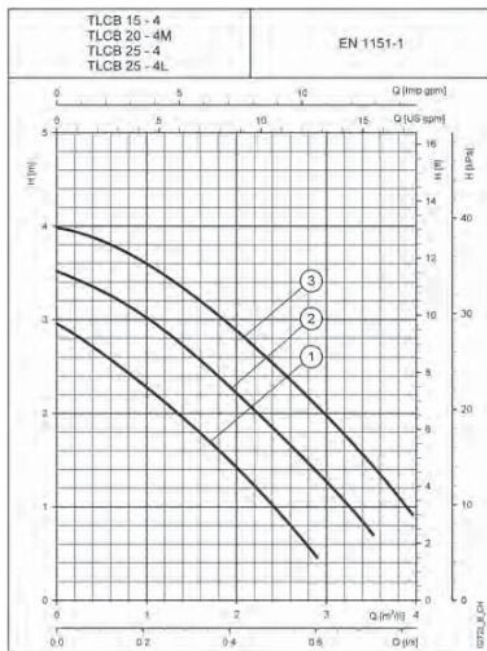
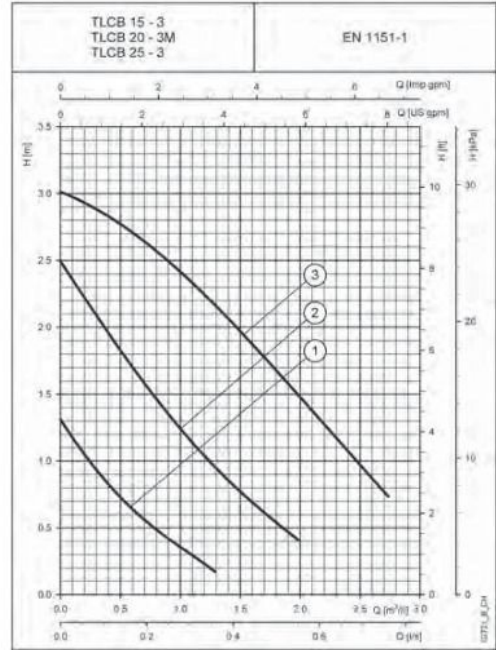
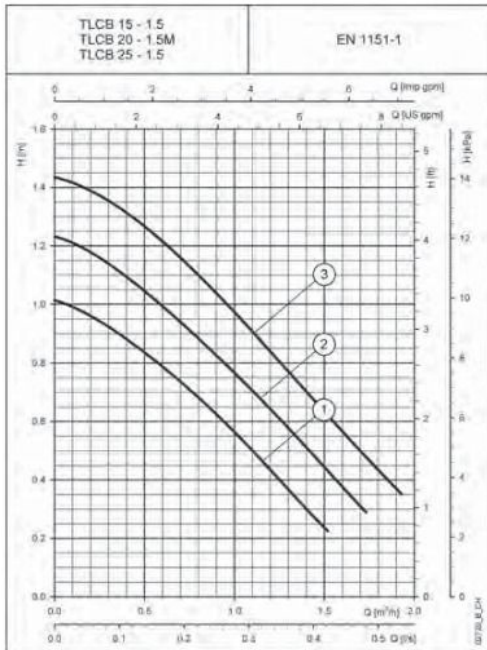
TLCB SERIES Dimensions and weights table

PUMP TYPE	DIMENSIONS (mm)					WEIGHT kg
	H	H1	D	F	DN	
TLCB 15-1.5	130	65	1/2"	G 1"	15	2,9
TLCB 20-1.5M	150	75	3/4"	G 1 1/4"	20	3
TLCB 25-1.5	130	65	1"	G 1 1/2"	25	3
TLCB 15-3	130	65	1/2"	G 1"	15	2,9
TLCB 20-3M	150	75	3/4"	G 1 1/4"	20	3
TLCB 25-3	130	65	1"	G 1 1/2"	25	3
TLCB 15-4	130	65	1/2"	G 1"	15	2,9
TLCB 20-4M	150	75	3/4"	G 1 1/4"	20	3
TLCB 25-4	130	65	1"	G 1 1/2"	25	3
TLCB 25-4L	180	90	1"	G 1 1/2"	25	3,1
TLCB 15-6	130	65	1/2"	G 1"	15	2,9
TLCB 20-6M	150	75	R 3/4"	G 1 1/4"	20	3
TLCB 25-6L	180	90	R 1"	G 1 1/2"	25	3,1

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TLCB SERIES

Single-phase operating characteristics



2

These performances are valid for liquids with density $\rho = 1.0 \text{ kg/dm}^3$ and kinematic viscosity $\nu = 1 \text{ mm}^2/\text{s}$.